

Ms. Amy Van Kolken
EMCON / OWT Solid Waste Services Division
103 College Avenue SE
Grand Rapids, MI 49503-5921

Re: 003-12577
First Administrative Amendment to
Part 70 No.: T003-7675-00257

Dear Ms. Van Kolken:

National Serv-All Inc. / McBeth Road Landfill was issued a permit on July 12, 1999 for a municipal solid waste landfill (MSLWLF). A letter requesting an increase in the oxygen operating value for landfill gas well, LFGASB16, at the McBeth Road Landfill was received on August 5, 2000. Pursuant to the provisions of 2-7-11, Condition D.1.3(3) of the permit is hereby administratively amended as follows:

- (3c) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55°C and with either a nitrogen level less than 20 percent or an oxygen level less than ~~5~~ **16.9** percent. The Permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

The numbering system was changed from (1), (2), (3), etc. to (a), (b), (c) to be consistent with the numbering system. For the second indentation of subparts, (a), (b), and (c) were changed to (1), (2), and (3).

Since 40 CFR 60.753(a) allows for the establishment of a higher operating oxygen value and that the Permittee has demonstrated that the increase will not cause fires or significantly inhibit anaerobic decomposition, the oxygen value shall be increased from 5% to 16.9%. The landfill gas well, LFGASB16, has produced levels of oxygen of up to 16.9% since January 1999 and no fires have resulted from this elevated oxygen level.

The anaerobic decomposition should not be significantly affected from this elevation in oxygen due to the fact that a predominant amount of the landfill material surrounding this well is road bed material. The road bed material does not significantly decompose and this well has not been a strong producer of methane since its installation in June of 1998.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Daniel Harper, at (800) 451-6027, press 0 and ask for Daniel Harper or extension 2-8253, or dial (317) 232-8253.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments

DH

cc: File - Allen County
U.S. EPA, Region V
Allen County Health Department
Air Compliance Section Inspector - Jennifer Dorn
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT

**National Serv-All, Inc./McBeth Road Landfill
6231 McBeth Road
Fort Wayne, IN 46809**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T003-7675-00257	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date:
First Administrative Amendment: A003-12577-00257 Pages Amended: 29	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One (1) stationary municipal solid waste landfill with a design capacity of 10,000,000 megagrams.
- (b) Two (2) flares with a combined capacity of 132 million (MM) BTU per hour, constructed in 1996.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A] and to HAPs [326 IAC 14-1-1][40 CFR Part 61, Subpart A]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart WWW.
- (b) The provisions of 40 CFR Part 61, Subpart A - General Provisions, which are incorporated as 326 IAC 14-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 61, Subpart M.

D.1.2 Municipal Solid Waste Landfill NSPS [326 IAC 12] [40CFR 60.752, Subpart WWW]

The municipal solid waste landfill has a design capacity greater than 2.5 million megagrams (Mg) and shall either comply with 40CFR 60.752 (b)(2) or calculate the non methane organic compound (NMOC) emission rate for the landfill using the procedures specified in 40 CFR 60.754.

D.1.3 Operational Standards for Collection and Control Systems [40CFR 60.753]

In order to comply with 40 CFR 60.752 (b)(2)(ii) the Permittee shall:

- (a) Operate the collection system such that gas is collected from each area, cell, or group of cells in the municipal solid waste landfill in which solid waste has been in place for five years if active or 2 years or more if closed or at final grade.
- (b) Operate the collection system with negative pressure at each wellhead except under the following conditions:
 - (1) Fire or increased well temperature. The Permittee shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 40CFR 60.757(f)(1).
 - (2) Use of a geomembrane or synthetic cover. The Permittee shall develop acceptable pressure limits in the design plan.
 - (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Office of Air Management (OAM).
- (c) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55EC and with either a nitrogen level less than 20 percent or an oxygen level less than 16.9 percent. The Permittee may establish a higher operating temperature,